

Injury-related Emergency Dept. Visits

2009*

MASSACHUSETTS RESIDENTS

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 ²
	Uninten- tional	Intentional		Undeter- mined	Other & Legal ¹			
		Self- inflicted	Assault					
Cut/pierce	62,356	2,432	1,600	107	9	66,504	9.5	1,008.6
Drowning/submersion	137	0	<7	<7		141	0.0	2.1
Fall	193,286	28	32	61		193,407	27.5	2,933.3
Fire/burn	9,268	55	46	24		9,393	1.3	142.5
Fire/flare	1,512	52	25	19		1,608	0.2	24.4
Hot object/substance	7,756	<7	21	<7		7,785	1.1	118.1
Firearm	180	<7	191	41	9	424	0.1	6.4
Machinery	3,194					3,194	0.5	48.4
Natural/Environmental	29,753	<7		7		29,765	4.2	451.4
Dog bites	6,900	0		0		6,900	1.0	104.6
Other bites & stings	20,230	0		0		20,230	2.9	306.8
All other (e.g. extreme cold)	2,623	<7		7		2,635	0.4	40.0
Overexertion	78,004					78,004	11.1	1,183.0
Poisoning	7,419	3,392	12	2,887	<7	13,716	2.0	208.0
Struck by, against	101,915		13,294		474	115,683	16.4	1,754.5
Suffocation	443	92	36	7		578	0.1	8.8
Transport-related Injuries	80,734	11	25	<7		80,773	11.5	1,225.0
Motor vehicle traffic-related	67,472	11	25	<7		67,511	9.6	1,023.9
Occupant	56,045					56,045	8.0	850.0
Motorcyclist	2,402					2,402	0.3	36.4
Pedal cyclist	1,142					1,142	0.2	17.3
Pedestrian	3,371					3,371	0.5	51.1
Other person	239					239	0.0	3.6
Unspecified	4,273					4,273	0.6	64.8
Pedal cyclist, other	8,290					8,290	1.2	125.7
Pedestrian, other	466					466	0.1	7.1
Transportation, other	4,506					4,506	0.6	68.3
Other-specified & classifiable	30,905	15	2,272	22	16	33,230	4.7	504.0
Human bites	720		987			1,707	0.2	25.9
Non-powder gun (BB, pellet)	332	9	44	18	0	403	0.1	6.1
Other specified & classifiable	29,853	<7	1,241	<7	16	31,120	4.4	472.0
Other specified, not classifiable	11,027	516	4,806	228	12	16,589	2.4	251.6
Unspecified	48,358	125	2,945	3,014	81	54,523	7.8	826.9
Adverse effects ³						1,376	0.2	20.9
Cause and Intent are not provided						5,997	0.9	91.0
TOTALS ⁴	656,979	6,674	25,260	6,404	607	703,297	100.0	10,666.4
RATE BY INTENT/per 100,000	9,963.9	101.2	383.1	97.1	9.2			

Source: MA Emergency Department Discharge Database, MA Division of Health Care, Finance and Policy.

*All data sets from Health Care Finance and Policy are based on a fiscal year. The numbers provided here are based on fiscal year: October 1 - September 30 and will be different than numbers generated through the Department's query based system MassCHIP.

¹ Legal Intervention includes injuries resulting from police actions and operations of war.

² Rates are not calculated on counts of less than 7. Rates that are based on counts less than twenty may be unstable. Rates provided here are not age-adjusted and may differ slightly from other department publications.

³ Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

⁴ Totals do not include subcategory counts. Total percent is presented here as 100% but may be slightly less or more due to rounding.

—An emergency department injury discharge is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—ED injury cases subsequently dying in the hospital are excluded from this analysis.

—Only Massachusetts residents are included in this analysis.

—Population data used to calculate rates are based on the 2009 Census Estimates. Estimated 2009 Massachusetts population is 6,593,587

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data." This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research & Evaluation, MDPH. (February 2011; June 2012)

